National Park Service

EXPERIENCE
YOUR
AMERICA

Worksheet

CAPITAL ASSET PLANS

Page taken from an ongoing Capital Asset Plan

I.G. PROJECT AND FUNDING PLAN

I.G.1. Description of performance-based system (PBMS):
Using information consistent with a work breakdown structure (WBS) approach, provide th
following in all parts of this section.

I.G.2. Original baseline (OMB-approved at project outset):

I.G.2(A) What are the cost and schedule goals for this segment of phase of the project (e.g., what are the major project milestones or events; when will each occur; and what is the estimated cost to accomplish each one)? Also identify the funding agency for each milestone or event if this is a multi-agency project.

What is an Original Baseline?

(Is this a good one?)

Description	Original Baseline Cost and Schedule Goals				
	Schedule		Duration		
	Start Date	End Date	Days	Planned Cost	Funding Agency
Construction	03/01	09/02	365	$796,000 Request	NPS

Followed by the Current Baseline
(What is a Current Baseline?)

I.G.3. CURRENT Baseline (applicable since OMB approved the changes):

What are the cost and schedule goals for the project (e.g., what are the major project milestones or events; when will each occur; and what is the estimated cost to accomplish each one)? Also identify the funding agency for each milestone or event if this is a multi-agency project.

	Current Revised Baseline Cost and Schedule Goals				
Description	Schedule		Duration		
	Start Date	End Date	Days	Planned Cost	Funding Agency
Planning	03/01	02/02	343	$29,499 (FY01) $30,000 (FY02)	NPS
Design	02/02	01/03	357	$119,000 (FY02)	NPS
Construction (Water Wells) - including contract advertisement and award	07/02	12/02	168	$94,464 (FY02)	NPS
Construction (Remainder of Project) - including contract advertisement and award	02/03	12/03	315	$341,536 (unobligated balance of FY02 funds) plus $1,030,000 anticipated FY03 funds)	NPS

Noticed Proposed Changes to Baseline . . .

What can be done with a Proposed Baseline?

I.G.3.a Proposed Baseline Changes (applicable *only* if OMB approves the changes):

What are the cost and schedule goals for the project (e.g., what are the major project milestones or events; when will each occur; and what is the estimated cost to accomplish each one)? Also identify the funding agency for each milestone or event if this is a multi-agency project.

April 8, 2003	Proposed Baseline Cost and Schedule Goals				
Description	Schedule		Duration		
	Start Date	End Date	Days	Planned Cost	Funding Agency
Planning	03/01	02/02	343	$29,499 (FY01) $30,000 (FY02)	NPS
Design	02/02	05/03	455	$119,000 (FY02)	NPS
Construction (Water Wells) - including contract advertisement and award	07/02	04/03	270	$94,464 (FY02)	NPS
Construction (Remainder of Project) - including contract advertisement and award	05/03	07/04	425	$341,536 (unobligated balance of FY02 funds) plus $1,030,000 (anticipated FY03 funds)	NPS

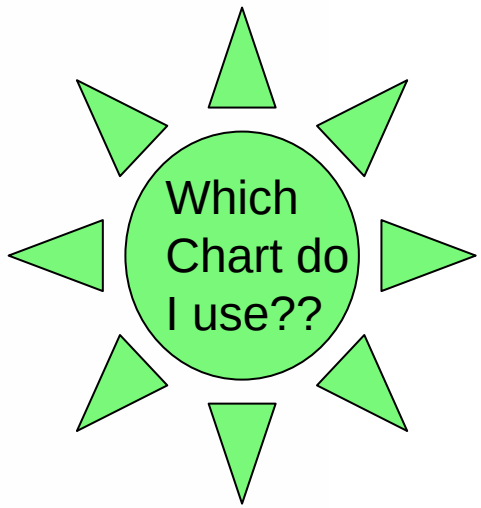
Now calculate variances.

I.G.4 Actual Performance and Variance from OMB approved baseline (Original or Current):

Actual cost and schedule performance.
I.G.4(A) Explain what work you planned (scheduled) to accomplish and how much you budgeted to complete the work.

Description	Planned					Actual			
	Schedule		Duration	Planned Cost		Schedule		Percent Complete	Current Actual Cost
	Start Date	End Date	Days	(000)	Funding Agency	Start Date	End Date		
Planning	03/01	02/02	343	59,499	NPS	03/01	03/02	100	59,499
Design	02/02	01/03	357	119,000	NPS	02/02			
Water Wells	07/02	12/02	168	94,494	NPS	07/02			
Construction	02/03	12/03	315	1,371,536	NPS				

PROJECT SUMMARY (CUMULATIVE)		
	Cost Variance	$22,456
	Cost Variance %	8.76
	Cost Performance Index (CPI)	1.096
	Planned Cost Incurred	$272,963
	Schedule Variance	-328,336
	Schedule Variance %	-56.16
	Schedule Performance Index (SPI)	0.4384
	Expected at Completion (EAC)	$1,500,452
	Expected to Completion (ETC)	$1,266,568
	Expected Completion Date	07/04



Worksheet (This can be yours to use as an example)

CAPITAL ASSET PLAN - BUDGET WORKSHEET

PARK						
PKG/PMIS						
DATE	October 6, 2003					
			BCWS		ACWP	BCWP
	Budget ($)	Budget (%)	Budget to date	Actual (%)	Actual spent to dat	Actual Budget
Pre-design	$59,499	100	$59,499	100	$59,499	$59,499
Design	$119,000	100	$119,000	90	$88,230	$107,100
Wells	$94,464	100	$94,464	95	$86,155	$89,741
Construction	$1,371,536	22.73	$311,750	0	$0	$0
BAC =	$1,644,499		$584,713		$233,884	$256,340
BCWS =	$584,713					
ACWP =	$233,884					
BCWP =	$256,340					
Cost Variance (CV) =	BCWP - ACWP =	$22,456				
Cost Variance (%) =	(CV/BCWP) * 100%	8.76				
CPI =	BCWP/ACWP =	1.096				
Schedule Variance (SV) =	BCWP - BCWS =	-$328,373				
Schedule Variance (%) =	(SV/BCWS) * 100%	-56.16				
SPI =	BCWP/BCWS =	0.44				
EAC	(BAC - BCWP) + ACWP / CPI	$1,500,438				
Est. to Complete (ETC)	EAC - ACWP =	$1,266,554				